

King County DNRP Water Quality Index

STATION **317** WATER YEAR **2018**

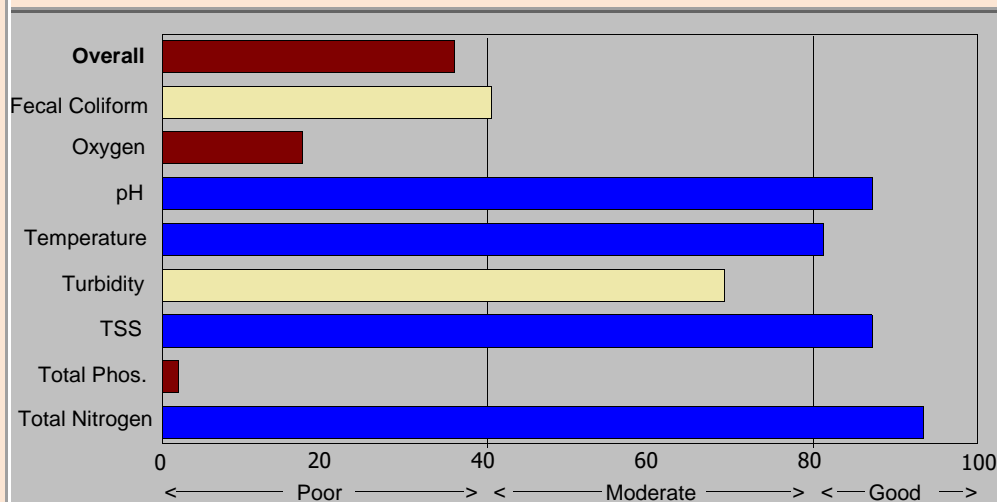
GAUGE # 03G Springbrook Creek at O'Grady Way

Overall Index **36**

King County monitors water quality in Springbrook Creek at Station 0317, located near the mouth of the creek at the bridge. Monitoring at this site began in 1971 and continues today. The Springbrook Creek basin encompasses 15,763 acres near the Cities of Kent and Renton. The mainstem flows 12 miles before joining the Black River then ultimately flows into the Green River at river mile 11.0. The creek is on the Washington State Department of Ecology's 303(d) list, Category 5, for violations of dissolved oxygen and fecal coliform bacteria standards. Springbrook Creek is also listed for bioassessment scores that indicate that biological integrity is degraded. And the creek has a Category 4a listing as part of the Green River TMDL for fecal coliform bacteria.

Annual Water Quality Index Scores

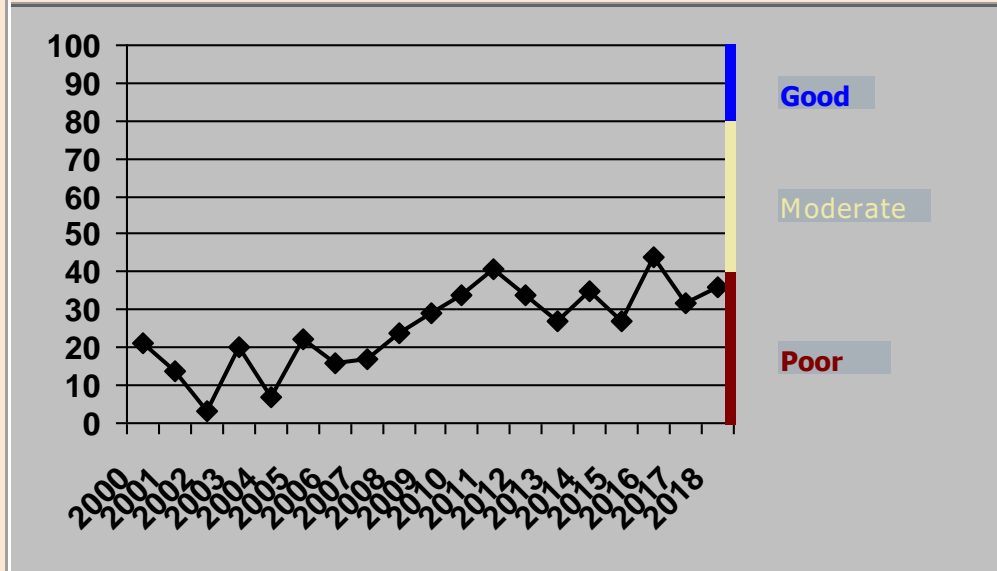
Water quality was POOR based on data collected 10/1/2017 to 9/30/2018.



Monthly Scores For Water Year 2018

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
81	46	82	54	92	67	56	38	50	37	59	33

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <https://green2.kingcounty.gov/streamsdata/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>